

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20050069060"	US-PGPUB; USPAT	OR	ON	2006/09/27 09:05
S2	1269	(375/341).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/26 14:33
S3	10	estimat\$4 near characteristics near propagation near path	US-PGPUB; USPAT	OR	ON	2006/09/27 09:22
S4	3	calculat\$4 near likelihood near receive\$4 near signal\$3	US-PGPUB; USPAT	OR	ON	2006/09/26 14:44
S5	59	equalization near processor	US-PGPUB; USPAT	OR	ON	2006/09/26 14:52
S6	7	generator near soft near decision	US-PGPUB; USPAT	OR	ON	2006/09/26 14:55
S7	0	S2 and S3 and S4 and S5 near S6	US-PGPUB; USPAT	OR	ON	2006/09/26 14:57
S8	1	S2 and S3	US-PGPUB; USPAT	OR	ON	2006/09/26 14:57
S9	1278	S2 or S3	US-PGPUB; USPAT	OR	ON	2006/09/26 14:58
S10	0	S4 and S5 and S6	US-PGPUB; USPAT	OR	ON	2006/09/26 14:58
S11	1	S4 and S5	US-PGPUB; USPAT	OR	ON	2006/09/26 14:58
S12	68	S4 or S5 or S6	US-PGPUB; USPAT	OR	ON	2006/09/26 14:59
S13	5	S9 and S12	US-PGPUB; USPAT	OR	ON	2006/09/26 14:59
S14	1341	S9 or S12	US-PGPUB; USPAT	OR	ON	2006/09/26 15:01
S15	0	("2005/0069060").URPN.	USPAT	OR	ON	2006/09/26 15:38
S16	1580	data near receiving near method	US-PGPUB; USPAT	OR	ON	2006/09/27 09:18
S17	18945	estimator	US-PGPUB; USPAT	OR	ON	2006/09/27 09:20
S18	46140	calculator	US-PGPUB; USPAT	OR	ON	2006/09/27 09:09
S19	59	equalization near processor	US-PGPUB; USPAT	OR	ON	2006/09/27 09:09
S20	499002	generator	US-PGPUB; USPAT	OR	ON	2006/09/27 09:10
S21	1608318	output	US-PGPUB; USPAT	OR	ON	2006/09/27 09:10

## EAST Search History

S22	1	S16 and S17 and S18 and S19 and S20 and S21	US-PGPUB; USPAT	OR	ON	2006/09/27 09:12
S23	3	S17 and S18 and S19 and S20 and S21	US-PGPUB; USPAT	OR	ON	2006/09/27 09:15
S24	4	S16 and S17 and S18	US-PGPUB; USPAT	OR	ON	2006/09/27 09:18
S25	1296	data near receiving near apparatus and method	US-PGPUB; USPAT	OR	ON	2006/09/27 09:52
S26	10	estimat\$4 near characteristics near propagation near path	US-PGPUB; USPAT	OR	ON	2006/09/27 09:22
S27	0	calculator near likelihood near received near signal	US-PGPUB; USPAT	OR	ON	2006/09/27 09:23
S28	3	calculat\$4 near likelihood near receive\$4 near signal\$3	US-PGPUB; USPAT	OR	ON	2006/09/27 09:24
S29	1	S25 and S26 and S28	US-PGPUB; USPAT	OR	ON	2006/09/27 09:28
S30	1	S16 and S26 and S28	US-PGPUB; USPAT	OR	ON	2006/09/27 09:26
S31	4	S25 and S17 and S18	US-PGPUB; USPAT	OR	ON	2006/09/27 09:26
S32	1307	S25 or S26 or S28	US-PGPUB; USPAT	OR	ON	2006/09/27 09:35
S33	1296	S25 or S26 and S28	US-PGPUB; USPAT	OR	ON	2006/09/27 09:50
S34	1	S25 and S26 and S28	US-PGPUB; USPAT	OR	ON	2006/09/27 09:36
S35	68	S16 and S17	US-PGPUB; USPAT	OR	ON	2006/09/27 09:51
S36	25	S25 and S17	US-PGPUB; USPAT	OR	ON	2006/09/27 10:00
S37	1446	data near receiving near apparatus	US-PGPUB; USPAT	OR	ON	2006/09/27 09:52
S38	25	S37 and S17	US-PGPUB; USPAT	OR	ON	2006/09/27 10:10
S39	13188	375/224 or 375/227 or 375/228 or 375/285 or 375/316 or 375/340 or 375/346 or 375/348 or 375/349 or 375/350	US-PGPUB; USPAT	OR	ON	2006/09/27 12:47
S40	20288	estimat\$5 near3(quality or characteristics or noise)	US-PGPUB; USPAT	OR	ON	2006/09/27 12:50
S41	2750738	channel or medium or path or link	US-PGPUB; USPAT	OR	ON	2006/09/27 12:53
S42	6184	S40 same S41	US-PGPUB; USPAT	OR	ON	2006/09/27 12:54

## EAST Search History

S43	2649612	(signal near3 quality) or (snr or signal adj3 ratio) or (reception near3 quality or receiv\$5)	US-PGPUB; USPAT	OR	ON	2006/09/27 12:57
S44	100859	equalize\$6	US-PGPUB; USPAT	OR	ON	2006/09/27 12:58
S45	575	S39 and S42 and S43 and S44	US-PGPUB; USPAT	OR	ON	2006/09/29 10:33
S46	2	S45 and soft near3(output near data)	US-PGPUB; USPAT	OR	ON	2006/09/27 13:07
S47	119	S45 and (output near data)	US-PGPUB; USPAT	OR	ON	2006/09/27 16:48
S48	610655	decoder or generator	US-PGPUB; USPAT	OR	ON	2006/09/27 16:49
S49	381	S45 and S48	US-PGPUB; USPAT	OR	ON	2006/09/27 16:50
S50	13198	375/224 or 375/227 or 375/228 or 375/285 or 375/316 or 375/340 or 375/346 or 375/348 or 375/349 or 375/350	US-PGPUB; USPAT	OR	ON	2006/09/28 14:27
S51	20338	estimat\$5 near3(quality or characteristics or noise)	US-PGPUB; USPAT	OR	ON	2006/09/28 14:27
S52	2754488	channel or medium or path or link	US-PGPUB; USPAT	OR	ON	2006/09/28 14:27
S53	6200	S51 same S52	US-PGPUB; USPAT	OR	ON	2006/09/28 14:27
S54	2653120	(signal near3 quality) or (snr or signal adj3 ratio) or (reception near3 quality or receiv\$5)	US-PGPUB; USPAT	OR	ON	2006/09/28 14:27
S55	100964	equalize\$6	US-PGPUB; USPAT	OR	ON	2006/09/28 14:27
S56	2681208	S50 and S53 or S54 or S55	US-PGPUB; USPAT	OR	ON	2006/09/28 14:29
S57	0	("2004/0161058").URPN.	USPAT	OR	ON	2006/09/28 16:51
S58	5	("5613218"   "6408022"   "6408023"   "6717995"   "6775521").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 16:51
S59	0	("7058144").URPN.	USPAT	OR	ON	2006/09/28 16:54
S60	0	("7058144").URPN.	USPAT	OR	ON	2006/09/28 16:54
S61	7	("20020057735"   "20030099309"   "5583886"   "5737327"   "6085104"   "6151358"   "6175588").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 16:55
S62	0	("7042929").URPN.	USPAT	OR	ON	2006/09/28 16:55

## EAST Search History

S63	9	("4628529"   "5493717"   "5715282"   "6031866"   "6032114"   "6047171"   "6061649"   "6122309"   "6477489").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 16:56
S64	81	("4628529").URPN.	USPAT	OR	ON	2006/09/28 16:57
S65	22	("3180936"   "3803357"   "4025721"   "4025724"   "4052568"   "4063031"   "4133976"   "4185168"   "4219695"   "4239938"   "4283601"   "4331837"   "4378603"   "4396806"   "4403118"   "4410763"   "4433435"   "4454609"   "4461025"   "4490841"   "4508940").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 17:01
S66	10	("5199047"   "5297168"   "5303263"   "5327460"   "5390364"   "5432816"   "5727032"   "6151358"   "6535554"   "6724841").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 17:02
S67	45	("5199047").URPN.	USPAT	OR	ON	2006/09/28 17:05
S68	24	("5809086").URPN.	USPAT	OR	ON	2006/09/28 17:10
S69	2	("6792052").URPN.	USPAT	OR	ON	2006/09/28 17:12
S70	10	("5692011"   "5694424"   "5694437"   "5809086"   "5822143"   "6118813"   "6122015"   "6151358"   "6535554"   "6618701").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 17:12
S71	1	("6724841").URPN.	USPAT	OR	ON	2006/09/28 17:13
S72	4	("6775521").URPN.	USPAT	OR	ON	2006/09/28 17:14
S73	5	("6466616").URPN.	USPAT	OR	ON	2006/09/28 17:14
S74	6	("5251233"   "5353307"   "5473686"   "5563911"   "5592340"   "6302576").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 17:15
S75	11	("6302576").URPN.	USPAT	OR	ON	2006/09/28 17:17
S76	6	("5134635"   "5142551"   "5144644"   "5271042"   "5414738"   "5471500").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 17:19
S77	37	("5513215").URPN.	USPAT	OR	ON	2006/09/28 17:21
S78	12	("4597088"   "4815141"   "4985902"   "5054113"   "5097482"   "5133081"   "5274670"   "5283811"   "5285480"   "5293401"   "5335250"   "5353307").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 17:23
S79	5	("20020057751"   "20030165205"   "6470047"   "6628701"   "6901243").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/28 17:24

## EAST Search History

S80	0	("2006/0182193").URPN.	USPAT	OR	ON	2006/09/28 17:24
S81	45	("5199047").URPN.	USPAT	OR	ON	2006/09/28 17:25
S82	27	("5271042").URPN.	USPAT	OR	ON	2006/09/28 17:27
S83	37	("5513215").URPN.	USPAT	OR	ON	2006/09/29 08:12
S84	5	("6466616").URPN.	USPAT	OR	ON	2006/09/29 08:34
S85	6	("5251233"   "5353307"   "5473686"   "5563911"   "5592340"   "6302576").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 08:35
S86	5	("5537443"   "5543978"   "5654765"   "5761088"   "6236263").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 08:36
S87	8	("6470047").URPN.	USPAT	OR	ON	2006/09/29 08:37
S88	6	("6487255").URPN.	USPAT	OR	ON	2006/09/29 08:39
S89	12	("5202903"   "5285480"   "5513215"   "5608763"   "5680419"   "5706313"   "5754599"   "5754600"   "5768307"   "5867538"   "5926511"   "6151487").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 08:39
S90	4	("6775521").URPN.	USPAT	OR	ON	2006/09/29 09:32
S91	9	"6252864"	US-PGPUB; USPAT	OR	ON	2006/09/29 09:39
S92	44	"5652764"	US-PGPUB; USPAT	OR	ON	2006/09/29 09:39
S93	1	("5652764").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/29 09:40
S94	1	("6115427").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/29 09:41
S95	1	("0987834").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/29 09:41
S96	185251	probability or likelihood near3 receive\$3 near3 signal	US-PGPUB; USPAT	OR	ON	2006/09/29 10:32
S97	245254	probability or likelihood near3 receive or reception near3 signal	US-PGPUB; USPAT	OR	ON	2006/09/29 10:51
S98	13198	375/224 or 375/227 or 375/228 or 375/285 or 375/316 or 375/340 or 375/346 or 375/348 or 375/349 or 375/350	US-PGPUB; USPAT	OR	ON	2006/09/29 10:33
S99	20338	estimat\$5 near3(quality or characteristics or noise)	US-PGPUB; USPAT	OR	ON	2006/09/29 10:33
S10 0	2754488	channel or medium or path or link	US-PGPUB; USPAT	OR	ON	2006/09/29 10:33
S10 1	6200	S99 same S100	US-PGPUB; USPAT	OR	ON	2006/09/29 10:33

## EAST Search History

S10 2	2653120	(signal near3 quality) or (snr or signal adj3 ratio) or (reception near3 quality or receiv\$5)	US-PGPUB; USPAT	OR	ON	2006/09/29 10:33
S10 3	100964	equalize\$6	US-PGPUB; USPAT	OR	ON	2006/09/29 10:33
S10 4	312	S98 and S101 and S102 and S103 and S97	US-PGPUB; USPAT	OR	ON	2006/09/29 10:34
S10 5	1090	estimat\$5 near3(characteristics or noise) same path	US-PGPUB; USPAT	OR	ON	2006/09/29 11:02
S10 6	100964	equalize\$5	US-PGPUB; USPAT	OR	ON	2006/09/29 11:02
S10 7	67	S97 and S98 and S105 and S106	US-PGPUB; USPAT	OR	ON	2006/09/29 10:57
S10 8	139931	equaliz\$5	US-PGPUB; USPAT	OR	ON	2006/09/29 11:02
S10 9	1005061	estimat\$5 near3(characteristics or noise) same path or channel	US-PGPUB; USPAT	OR	ON	2006/09/29 11:04
S11 0	611513	generator or decoder	US-PGPUB; USPAT	OR	ON	2006/09/29 11:07
S11 1	1155	S97 and S98 and S108 and S109 and S110	US-PGPUB; USPAT	OR	ON	2006/09/29 11:09
S11 2	1622	S97 and S98 and S108 and S109	US-PGPUB; USPAT	OR	ON	2006/09/29 13:02